



ARDO UK PRODUCT SPECIFICATION

Product name:	IQF Button Brussels Sprouts 15-25mm 10x1kg
Product code:	3SB4322UK
External code:	SB4322
Date of first version :	03/02/2011
Date of revision:	14/05/2020
Version number:	7

DESCRIPTION



Legal name	Quick-frozen Brussels Sprouts
Latin name	<i>Brassica Oleracea var. gemmifer</i>
Origin	Belgium, France
Process description	Quick-frozen Brussels Sprouts are the product prepared by an appropriate freezing process from fresh, clean, sound, whole axillary buds produced on the stem of the plant <i>Brassica oleracea var. gemmifera</i> . The product shall be blanched to peroxidase negative before freezing. The process shall ensure the product is free flowing and stable in colour and flavour, and the product temperature should not be warmer than -18°C.
Cut size	15-25mm
Ingredient declaration	Sprouts (100%)

Organoleptic

Appearance	Bright, characteristic colour. Slight colour variation within the sample may be allowed.
Aroma	Full, natural characteristic aroma, may be slightly sweet. No off-odours.
Flavour	Full, natural characteristic flavour, may be slightly sweet. No off-flavours.
Texture	Firm but tender, yielding to the bite. May be very slightly fibrous.



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MICROBIOLOGICAL STANDARDS (cfu/g)

	MAXIMUM
Total Viable Count	1,500,000
Coliforms	10,000
E. coli	100
Yeast and Moulds	5,000
<i>Staphylococcus aureus</i>	100
<i>Listeria monocytogenes</i>	100
<i>Salmonella</i>	absent/25g

AVERAGE NUTRITIONAL VALUES

	per 100 g	unit	% RI*	RI*
Energy	185	kJ	2%	8400
Energy	44	kcal	2%	2000
Fat	1.3	g	2%	70
of which saturates	0.30	g	2%	20
Carbohydrate	2.5	g	1%	260
of which sugars	2.4	g	3%	90
Fibre	4.3	g	18%	24
Protein	3.5	g	7%	50
Salt	0.02	g	< 1%	6

*Reference intake of an average adult (8400 kJ / 2000 kcal)

Source	Based on Nutricalc Software FX3 v.40 (cf. McCance & Widdowson 7th Edition)
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ALLERGEN INFORMATION

Allergens according to the EU Regulation 1169/2011 and its modifications:

	Product contains (+) or is free from (-)
Gluten from cereals: wheat, rye, barley, oats, spelt, kamut or their hybridised strains, and products thereof; except: 1/ wheat based glucose syrups including dextrose, 2/ wheat based maltodextrins, 3/ glucose syrups based on barley, 4/ cereals used for making alcoholic distillates including ethyl alcohol of agricultural origin.	-
crustaceans and products thereof	-
eggs and products thereof	-
fish and products thereof; except: 1/ fish gelatine used as carrier for vitamin or carotenoid preparations, 2/ fish gelatine or Isinglass used as fining agent in beer and wine	-
peanuts and products thereof	-
soybeans and products thereof; except: 1/ fully refined soybean oil and fat, 2/ natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, natural D-alpha tocopherol succinate from soybean sources, 3/ vegetable oils derived phytosterols and phytosterol esters from soybeans sources, 4/ plant stanol ester produced from vegetable oil sterols from soybean sources	-
milk and products thereof (including lactose); except: 1/ whey used for making alcoholic distillates including ethyl alcohol of agricultural origin, 2/ lactitol	-
nuts i.e. almonds, hazelnuts, walnuts, cashews, pecan nuts, brazil nuts, pistachio nuts, macadamia nuts and queensland nuts and products thereof; except: nuts used for making alcoholic distillates including ethyl alcohol of agricultural origin	-
celery and products thereof	-
mustard and products thereof	-
sesame seeds and products thereof	-
sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂	-
lupin and products thereof	-
molluscs and products thereof	-

Other allergens (according to LeDa-list):

	Product contains (+) or is free from (-)
Beef	-
Pork	-
Chicken	-
Corn/Maize	-
Cacao	-
Legumes/pulses	-
Glutamate	-
Coriander	-
Carrot	-



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Free from:

	Product contains (+) or is free from (-)
Oil refined to SCOPA std	-
Oil not refined to SCOPA std	-
Maize/Corn & derivates	-
Rice & rice derivates	-
Spices & spice extracts	-
Herbs & herb extracts	-
Yeast & Yeast extract	-
Fruit & Fruit Derivatives	-
Vegetable & Vegetable Derivatives	+
Leguminous Plants	-

Other:

	Product contains (+) or is free from (-)
Additives	-
Natural Colours	-
Artificial Colours	-
Azo Dyes	-
Natural Flavourings	-
Flavouring Substances	-
Flavour Enhancers	-
MSG	-
Artificial Preservatives	-
BHA	-
BHT	-
Emulsifiers	-
Stabilisers	-
Artificial Sweeteners	-
Sugar	-
Molasses	-
Maltodextrin	-
Salt	-
Salt Substitutes	-
Irradiated Ingredients	-
Genetically Modified Material	-

Suitable for

	Yes	No	Remark
Kosher	v		not certified
Halal	v		not certified
Coeliacs	v		
Diabetics	v		
Lactose intolerant	v		
Vegetarians	v		
Ovo-lacto vegetarians	v		
Vegans	v		
Nut/seed allergy	v		



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DEFECTS

DEFINITIONS

Foreign Matter (FM): Any matter of non-vegetable origin such as stones, soil, insect, wood, metal, plastic, and any toxic vegetation or anything which will render the product unacceptable.

Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.

Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.

Loose Leaves: These are leaves or fragments of leaves which have become detached from the sprouts.

Gross Blemishes: Sprouts which exhibit discoloured areas greater than 25% of the surface area of the sprout.

Major Blemishes: A major blemish is a black, brown or discoloured area equal to or greater than an equivalent circle 6mm in diameter, either as a single blemish or an aggregate of blemishes on the same sprout.

Brown Butts: Sprouts exhibiting significant brown discoloration on the cut surface of the butt.

Major Butts: These are sprouts with butts (or parts of butts) larger than 5mm measured from the base of the first leaf. This includes ragged heels, and butts cut at an angle of 45°.

Badly Formed (see illustration): These are sprouts which are rosetted or composed of loose leaves (blown) or where the leaves fail to meet over the head of the sprout. This also includes loose base structure and secondary growth (budding).

Internal Browning (This should be assessed at the end of the Defects section on the entire 100 sprout sub-sample): Sprouts with an internal brown area. The entire sample of 100 sprouts shall be cut open to assess this defect.

Minor Blemishes: A minor blemish is a black, brown or discoloured area which is less than an equivalent circle 6mm in diameter, either as a single blemish or an aggregate of blemishes on the same sprout. Blemishes totalling less than 2mm in diameter shall be ignored.

Mechanically Damaged: These are sprouts which are mechanically damaged to the extent that the sprout is partially severed to at least the centre of the unit, or has a macerated or crushed appearance, or where more than a quarter of the sprout has been removed. This includes overtrimmed, spiky sprouts (see illustration), or yellow sprouts.

An overtrimmed sprout is one where too much base material has been cut away, causing excessive loss of outer leaves.

A yellow sprout is one where more than 50% of the surface area is completely yellow in appearance.

NOMINAL SIZE

15-25mm / >90% within size range

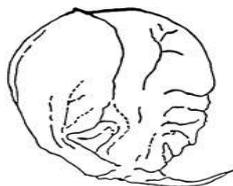


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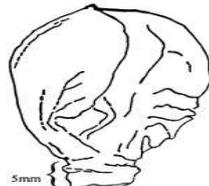
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ILLUSTRATIONS OF CERTAIN DEFECTS

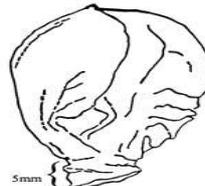
(h) Major Butts



Ragged Heel

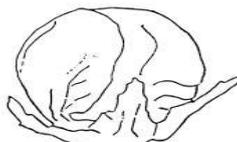


Major Butt

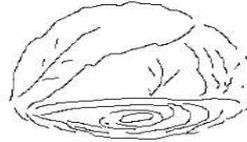


Major Butt (Angled Cut)

(i) Mechanically Damaged



Spiky



Overtrimmed

TOLERANCES OF DEFECTS

Assessed on 2000g sample – Frozen	Grade A	Grade B
FM – No.	0	0
FEVM – No.	0	0
EVM – No.	2	4
Loose Leaves (% w/w)	1%	2%
Assessed on a 100 units sample – Frozen		
Gross Blemishes – No.	0	1
Major Blemishes – No.	6	14
Brown Butts – No.	2	4
Major Butts – No.	4	8
Badly Formed – No.	6	10
Total Blemishes – No.	33	45
Internal Browning (Assessed at the end of the Defects section)	0	0
Minor blemishes – No.	18	25
Mechanically damaged – No.	8	12



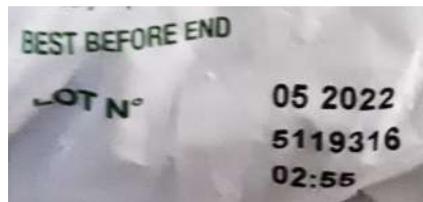
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PACKAGING

Net weight	10 kg
Pack Type	10x1kg
Packaging	PE bag in cardboard box
Inner Packaging	250x280mm
Outer Packaging	390x285x170mm
Palletisation	10 cardboard boxes / layer 90 cardboard boxes / pallet
Pallet	Chep pallet
Lot number	XXYYDDD: where XX relates to factory code, YY is the year, DDD is the Julian date code
Best Before	30 months
Minimum Shelf Life on delivery	100 days
Storage conditions	Keep frozen at -18°C or below
Storage Defrosted	Keep refrigerated and use within 24 hours.

Inner packaging /Pack coding



Case coding



BUTTON SPROUTS 10 x 1KG



0 541136 100483 8

S/C: 3SB4322UK



BUTTON SPROUTS 10 x 1KG



0 541136 100483 8
ARDO UK LTD, ASHFORD ROAD, CHARING, ASHFORD, KENT TN27 0DF. Tel:(01233) 714714



P/C: 5116067

BBE:09/2018

RECOMMENDED USE

Fry: Warm 1 to 2 tablespoons of vegetable oil in a pan. Add the required amount of frozen vegetables. Warm on a medium heat while stirring regularly. Add spices to your own taste.

Boil: Add the required amount of frozen vegetables to boiling water. Cook until tender. Add spices to your own taste.

Microwave: Place desired quantity in non-metallic dish with 2 tablespoons of water and cover. Cook until tender. Drain and season to taste.



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WARRANTY

We warrant that this product, intended for food use will meet the requirements of Acts, Regulations and Orders applicable in the United Kingdom relating to the goods supplied, including but not necessarily limited to the following:

The Food Safety Act 1990 and all relevant Regulations and their amendments.

The Food Hygiene (England) Regulations 2006 and all relevant amendments.

The Materials and Articles in Contact with Food (England) Regulations 2005 and all relevant amendments.

All regulations made as a result of the requirements of European Union Directives and Regulations.

GENERAL STATEMENTS

Pesticides	in accordance with EC regulation 396/2005 and its modifications
Heavy metals, mycotoxins and nitrates GMO	in accordance with EC regulation 1881/2006 and its the product is free from gmo, according to the EC

APPROVAL

	Approved on behalf of:	Approved on behalf of:
Company name:	Ardo UK Limited <i>Ashford Road, Charing, Ashford, Kent, TN27 0DF, UK</i> Tel: +44 (0)1233 714714 Fax +44 (0)1233 714777	
Name:	Eliza LANGNER	
Function:	Technologist	
Date:	14/05/2020	
Signature + stamp:	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> ARDO UK LTD ASHFORD ROAD CHARING ASHFORD KENT TN27 0DF </div> <i>Eliza Langner</i>	
Remarks:		



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REVISIONS

Reason for revision	Date
External code, Revisions added	07/03/2017
Revisions added	14/05/2020